\$16-0 y = 2" > dy 20151 अस्ति गा राष्ट्र निम्न lny = nlnn, असी धार्मिनामी Good!  $\frac{y'}{y} = lnn + 1$ : 4 = y(lnx+1) = x2 (lnx+1) \*16-1) y= 22 > dy 7-0/11! 学規の1 人の名 到かれて lny = x2ln2., 实电影唱神思 y' = 2 + (2") / ln 2 , oran 16-0 oran Good! 对社会 如图部则  $\frac{dy}{dx} = y' = \chi^{x} \left\{ \chi^{x+1} + \chi^{x}(\ln x + 1) \ln x \right\}$ (#11) y= 25112 -> dy =? oten Ing about Iny = (SINX) Inx, STEE DESTRE  $\frac{y}{y} = (\cos n) \ln n + \frac{\sin n}{n}$  $\therefore y' = \frac{dy}{dx} = \mathcal{H}^{Sinx} \left\{ (\cos x) \ln x + \frac{\sin x}{x} \right\}$ 

52L)